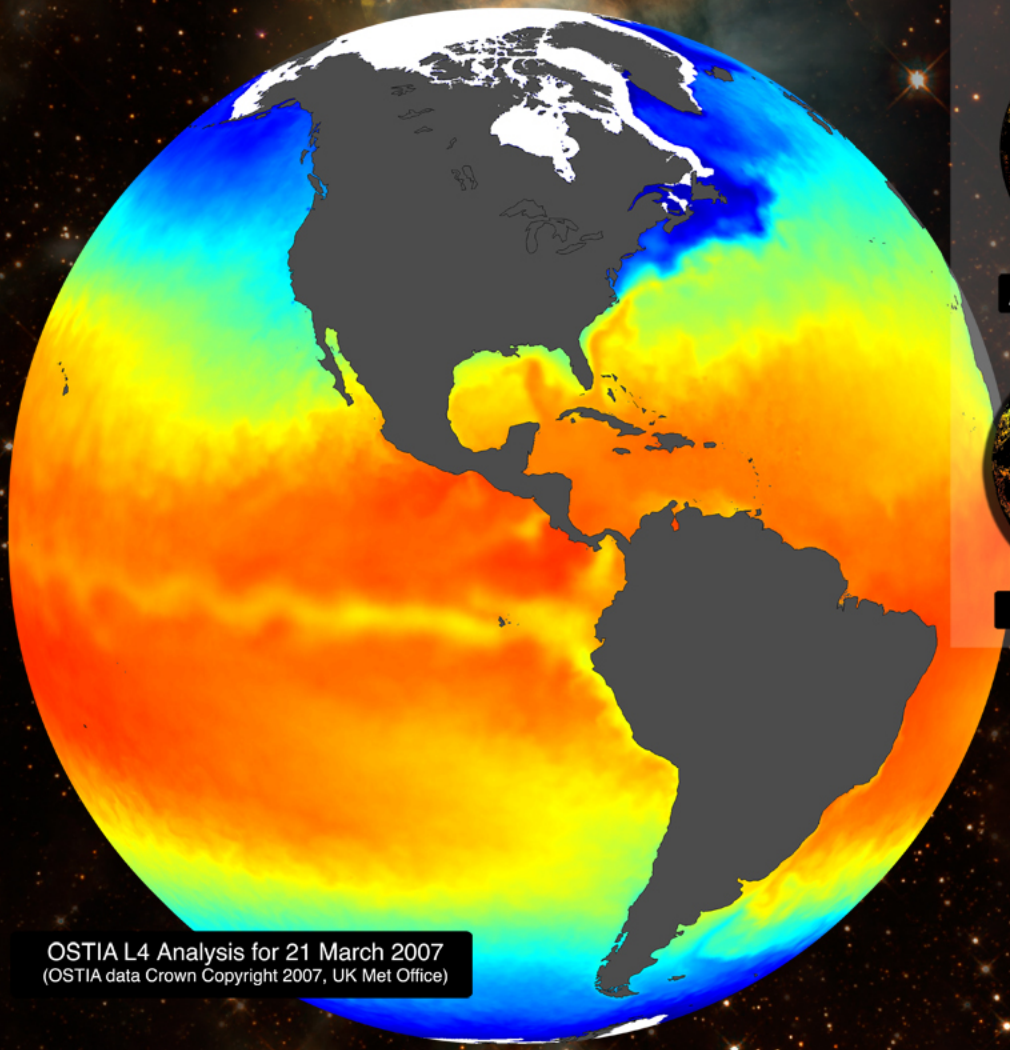
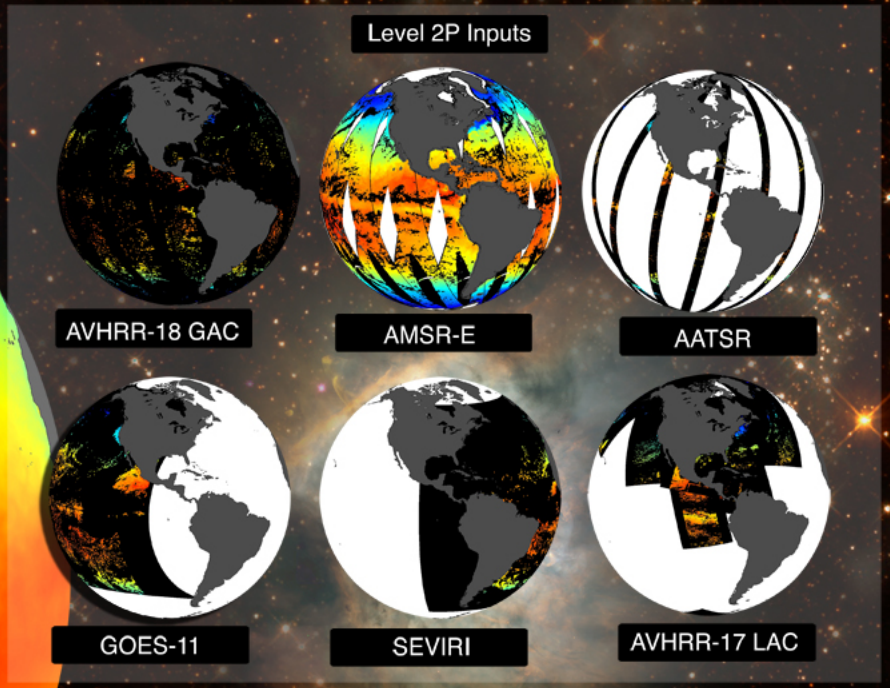
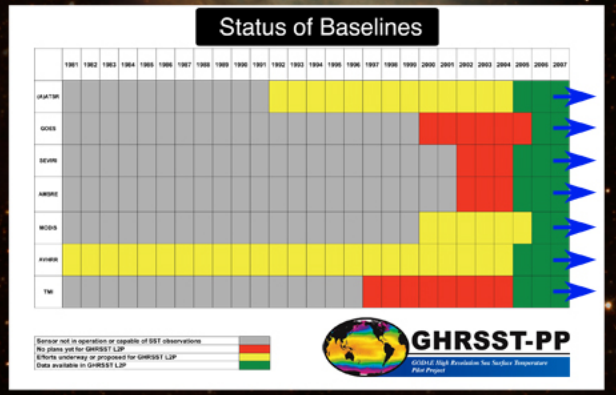
Reanalysis of GODAE High Resolution SSTs and Critical Baseline Datasets







The GODAE High Resolution SST (GHRSST) project is delivering a large and growing number of forward-mode Level 2 SST data streams from individual sensors like AVHRR, MODIS, GOES, AATSR, SEVIRI, and AMSR-E. In addition, more and more Level 4 gap-free analysis products are being produced by various centers around the world and archived at NODC's GHRSST Long Term Stewardship and Reanalysis Facility. Different groups are also producc ing critical baseline datasets, created by reprocessing individual satellite datasets using consistent algorithms in a retrospective mode. One example of these baselines is the AVHRR Pathfinder dataset, widely used in many applications. Their relative longevity, greater accuracy, and improved consistency make these baselines datasets fundamentally important for the proper production of merged, multi-sensor climate data records for SST. The current state of these critical baselines is presented here. - Kenneth S. Casey, NOAA National Oceanographic Data Center